

# Water, Sterile, Molecular Biology Grade

DEPC treated, Nuclease and Protease free

**Product Code: TCL016**

## Product Description:

Molecular Weight: 18.02

Molecular Formula: H<sub>2</sub>O

CAS number: 7732-18-5

TCL016, Water, Molecular biology grade is sterile filtered water treated with 0.1% Diethylpyrocarbonate (DEPC). DEPC inactivates RNases by carboxylation of specific amino acid side chains in the protein. It is prepared by passing water through a continuous process which includes water pretreatment, reverse osmosis, deionisation, and filtration. It is produced specifically for molecular biology applications like DNA/RNA purification, protein applications and experiment involving RNA.

## Quality Control:

### Appearance

Colorless, clear solution.

### pH

5.00 -7.00

### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

### DNases/ RNases/ Proteases

Not detected

### Endotoxin content

NMT 1EU/ml

## Storage and Shelf Life:

Store at 15 - 30°C.

Shelf life of the product is 36 months.

Use before expiry date given on the product label.

### Disclaimer :

Revision : 04/2022

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic , research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.